Weight Investigation

1. Use the spring scale to determine the approximate weight in Newtons of 1 kilogram.

2. Don't kilograms measure weight? (Perhaps you could look that up if you don't know.)

3. Weight means the same thing as the force of gravity on an object. What direction does it have? Clarification: is your answer to that question the same for someone in Upper Merion Area School District as it is for someone in Perth, Australia? Could you phrase it so that it is?

4. All forces arise as an interaction between two objects. Your weight on Earth is an interaction between you and what other object?

5. Which part of an object is pulled by gravity?

6. Calculate your mass in kg by taking your weight in lbs and divide by 2.2. Then calculate your weight in Newtons.